

said second arm having a staple ejection slot adjacent said magazine;

means for biasing staples within said magazine towards said staple ejection slot;

a staple ejector blade for ejecting staples through said staple ejection slot towards said anvil, said staple ejector blade being mounted on said second arm adjacent said staple ejection slot;

an actuator element for moving said staple ejector blade relative to said second arm ~~as a result of pivotal movement of said first and second arms~~, said actuator element being operatively connected to said staple ejector blade;

~~means for retaining said actuator element in a stationary position relative to said second arm during said first extent of pivotal movement of said second arm; and~~

~~means for releasing said actuator element for movement relative to said second arm during said second extent of pivotal movement of said second arm.~~

10. The stapling machine of claim 9, wherein

said means for retaining said actuator element comprises a toggle, said toggle being pivotally mounted on said second arm, said toggle having a shoulder, said shoulder being engaged with said actuator element during said first extent of pivotal movement of said second arm, and said

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shoulder being disengaged from said actuator element during
said second extent of pivotal movement.

B 2/ 11. The stapling machine of claim ¹~~10~~, further including
means for resiliently biasing said shoulder into engagement
with said actuator element.

3/ 12. A stapling machine for stapling together sheets of
paper, said stapling machine comprising:

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a first arm;

an anvil for clinching the ends of the arms of a
staple, said anvil being integral with said first arm;

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a second arm being pivotally connected to said first
arm, ~~and having a path of pivotal movement with first and
second extents;~~

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a magazine for carrying staples, said magazine being
mounted on said second arm;

said second arm having a staple ejection slot;

means for biasing staples within said magazine
towards said staple ejection slot;

a staple ejector blade for ejecting staples through
said staple ejection slot towards said anvil, said staple
ejector blade being mounted on said second arm adjacent said
staple ejection slot;

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an actuator element for moving said staple ejector blade ~~as a result of pivotal movement of said first and second arms~~, said actuator element being a "U" shaped spring having first and second substantially parallel legs, said first leg being operatively connected to said staple ejector blade, and said second leg providing means for transmitting a biasing force to said first leg;

ins B³ >
a toggle being pivotally mounted on said second arm and having a shoulder and a projection, said shoulder being engaged with said first leg of said "U" shaped spring during ~~said first extent of pivotal movement of said second arm~~ and said second leg of said "U" shaped spring contacting said projection and pivoting said toggle and said shoulder out engagement with said first leg during ~~said second extent of pivotal movement~~.

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13. The stapling machine of claim ³ ~~12~~ wherein said ¹⁵ ~~12~~ further including an actuating lever ¹ pivotally connected to said first arm and engaging said actuator element.

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14. The stapling machine of claim ⁴ ~~13~~ wherein said actuating lever engages said actuator element through a roller mounted on said actuating lever and contacting said second leg of said "U" shaped spring.

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15. The stapling machine of claim ⁵~~14~~ further including resilient means for biasing said actuating lever to an initial position, wherein said roller contacts said first leg of said "U" shaped spring at said initial position.

R E M A R K S

Claims 9-15 are pending in the application.

By the foregoing Amendment, claims 1-8 have been cancelled without prejudice or disclaimer. New claims 9-15 have been added and incorporate the subject matter of cancelled claims 1-8. New claims 9-15 more particularly point out and distinctly claim the subject matter of the claimed invention. These changes are believed not to introduce new matter.

The present invention provides an improved stapling machine having a first arm (2) carrying an anvil (3) for clinching the ends of the arms of a staple, the first arm (2) being pivotally connected to a second arm (4) containing a magazine for staples (6), a staple ejection slot (9), means (7, 8) for biasing staples within magazine (6) towards the staple ejection slot (9), and a staple ejector blade (10) for moving through staple ejection slot (9) to eject a staple towards anvil (3). Staple ejector blade (10) is moved relative to the second arm (4) by an actuator element (12) which is retained in a first position during a first extent of